PUGET SOUND CLEAN AIR AGENCY

ENGINEERING DIVISION

110 UNION STREET, ROOM 500, Seattle, Washington 98101-2038
(206) 689-4052 Fax: (206) 343-7522 <www.pscleanair.org>

Notice of Construction and Application for Approval

FORM P
SIDE 1

Be sure to complete items 39, 40, 41, & 43 before submitting Form P.

(AGENCY USE ONLY)
DATE _____ N/C NUMBER _____
REG. NO. _____ VAR. NO. _____
SIC. NO. _____ COS. NO. _____
GRID NO. _____ UTM _____

1. TYPE OF BUILDING (Check) ☐ New ☒ Existing
2. STATUS OF EQUIPMENT (Check) ☐ New ☐ Existing ☒ Altered ☐ Relocation
7. APPLICANT: Gerald J Brown
3. COMPANY (OR OWNER) NAME Ash Grove Cement
8. APPLICANT ADDRESS Same
4. COMPANY (OR OWNER) MAILING ADRESS 3801 E Marginal Way So
9 INSTALLATION ADDRESS Same
5. NATURE OF BUSINESS Portland Cement Manufacturer
10. TYPE OF PROCESS Dry Kiln

EQUIPMENT (ENTER ONLY NEW EQUIPMENT OR CHANGES. ENTER NUMBER OF UNITS OF EQUIPMENT IN COLUMN 'NO OF UNITS.' COMPLETE FORM 'S' FOR EACH ENTRY)

11. NO. OF UNITS	SPACE HEATERS OR BOILERS (Complete Form S-B)	14. NO. OF UNITS	OVENS	15. NO. OF UNITS	MECHANICAL EQUIP.	16. NO. OF UNITS	MELTING FURNACES
(a)		(a) ___	CORE BAKING OVEN	(a) ___	AREAS	(a) ___	POT
12. NO. OF UNITS	INCINERATORS (Complete Form S-B)	(b) ___	PAINT BAKING	(b) ___	BULK CONVEYOR	(b) ___	REVERBERATORY
(a)		(c) ___	PLASTIC CURING	(c) ___	CLASSIFIER	(c) ___	ELECTRIC
13. NO. OF UNITS	OTHER SYSTEMS	(d) ___	LITHO COATING OVEN	(d) ___	STORAGE BIN	(d) ___	INDUC/RESIST
(a) ___	DEGREASING, SOLVENT	(e) ___	DRYER	(e) ___	BAGGING	(e) ___	CRUCIBLE
(b) ___	ABRASIVE BLASTING	(f) ___	ROASTER	(f) ___	OUTSIDE BULK STORAGE	(f) ___	CUPOLA
(c) ___	OTHER- SYSTEM	(g) ___	KILN	(g) ___	LOADING OR UNLOADING	(g) ___	ELECTRIC ARC
		(h) ___	HEAT-TREATING	(h) ___	BATCHING	(h) ___	SWEAT
		(I) ___	OTHER	(I) ___	MIXER (SOLIDS)	(i) ___	OTHER METALLIC
		(j) ___		(j) ___	OTHER	(j) ___	GLASS
							OTHER NON METALLIC

17. NO. OF UNITS	GENERAL OPER. EQUIP.	17. NO. OF UNITS	GENERAL OPER. EQUIP.	17. NO. OF UNITS	GENERAL OPER. EQUIP.	18 NO. OF UNITS	OTHER EQUIPMENT
(a) ___	CHEMICAL MILLING	(f) ___	GALVANIZING	(k) ___	ASPHALT BLOWING	(a) ___	SPRAY PAINTING GUN
(b) ___	PLATING	(g) ___	IMPREGNATING	(l) ___	CHEMICAL COATING	(b) ___	SPRAY BOOTH OR
(c) ___	DIGESTER	(h) ___	MIXING OR FORMULATING	(m) ___	COFFEE ROASTER	(c) ___	ROOM
(d) ___	DRY CLEANING	(i) ___	REACTOR	(n) ___	SAWS & PLANERS	(d) ___	FLOW COATING
(e) ___	FORMING OR MOLDING	(j) ___	STILL	(o) ___	STORAGE TANK	(e) ___	FIBERGLASSING
							OTHER

CONTROL DEVICES (ENTER NUMBER OF UNITS OF EQUIPMENT IN SPACES IN COLUMNS. COMPLETE A FORM R FOR EACH ENTRY)

19. NO. OF UNITS	CONTROL DEVICE	20. NO. OF UNITS	CONTROL DEVICE	21. NO. OF UNITS	CONTROL DEVICE	22. NO. OF UNITS	CONTROL DEVICE
(a) ___	SPRAY CURTAIN	(a) ___	AIR WASHER	(a) ___	ABSORBER	(a) ___	DEMISTER
(b) ___	CYCLONE	(b) ___	WET COLLECTOR	(b) ___	ADSORBER	(b) ___	BAGHOUSE
(c) ___	MULTIPLE CYCLONE	(c) ___	VENTURI SCRUBBER	(c) ___	FILTER PADS (FILTERS	(c) ___	ELEC. PRECIPITATOR
(d) ___	INERTIAL COLL.- OTHER	(d) 2	DUST COLLECTOR	(d) ___	AFTERBURNER	(d) ___	OTHER

23. BASIC EQUIPMENT COST (ESTIMATE) EXISTING	24. CONTROL EQUIPMENT COST (ESTIMATE) EXISTING	25. DAILY HOURS FROM AM to PM	26. DAYS OF OPERATION
$40,000	$10,000	as Needed	☒ S ☒ M ☒ T ☒ W ☒ T ☒ F ☒ S

27. ESTIMATED STARTING DATE OF CONSTRUCTION: February 15, 2002
28. ESTIMATED COMPLETION DATE OF CONSTRUCTION: March 15, 2002

29. RAW MATERIALS (List materials used in process) AND FUELS (Type and amount)	ANNUAL AMT. UNITS	30. PRODUCTS (List End Products)	ANNUAL PROD. UNITS
(a)		(a) Portland Cement	700000Tons
(b)		(b)	
(c)		(c)	

627291

AGCS2M002346 SEA0749

Notice of Construction Application

FORM P

Side 2

STACKS OR VENTS (LIST NUMBER, TYPE, AND SIZE OF VENT)

31. NO. OF UNITS	DESCRIPTION OF OPENING	32. HEIGHT ABOVE GRADE (FT.)	33. VOLUME EXHAUSTED	DIMENSIONS (INCHES)	
				34. LENGTH (OR DIAM)	35. WIDTH
(a)	STACKS (FROM TOP OF UNIT)				
(b)	FLUES				
(c) 2	PROCESS OR GENERAL EXHAUST	100	4200		
(d)	PROCESS OR GENERAL VENTS				
(e)	SKYLIGHT OR WINDOW				
(f)	EXHAUST HOOD				
(g)	OTHER				

FLOW DIAGRAM

36. FLOW DIAGRAM INSTRUCTIONS:

(a) FLOW DIAGRAM MAY BE SCHEMATIC. ALL EQUIPMENT SHOULD BE SHOWN WITH EXISTING EQUIPMENT SO INDICATED.
(b) SHOW FLOW DIAGRAM OF PROCESS STARTING WITH RAW MATERIALS USED AND ENDING WITH FINISHED PRODUCT.
(c) IF MORE THAN ONE PROCESS IS INVOLVED TO MAKE FINISHED PRODUCT, SHOW EACH PROCESS AND WHERE THEY MERGE.
(d) INDICATED ALL POINTS IN PROCESS WHERE GASEOUS OR PARTICULATE POLLUTANTS ARE EMITTED.
(e) FLOW CHART CAN BE ATTACTED SEPARATELY IF NECESSARY. (DRAWINGS MAY BE SUBMITTED INSTEAD IF DESIRED.)
(f) SHOW PICKUP AND DISCHARGE POINTS FOR HANDLING OR CONVEYING EQUIPMENT.

See Proposed Layout

37. PLEASE INCLUDE THE FOLLOWING SUPPORTING MATERIALS WITH THIS APPLICATION:
ENVIRONMENTAL CHECKLIST IS ATTACHED (OR A COPY OF AN APPROVED ENVIORNMENTAL CHECKLIST OR EIS)
PROCESS DESCRIPTION
VENDOR PRODUCT INFORMATION

38. CERTIFICATION:
I, THE UNDERSIGNED, DO HEREBY CERTIFY THAT THE INFORMATION CONTAINED IN THE APPLICATION AND THE ACOMPANYING FORMS, PLANS, AND SUPPLEMENTAL DATA DESCRIBED HEREIN IS, TO THE BEST OF MY KNOWLEDGE, ACCURATE AND COMPLETE.

39. SIGNATURE	40. DATE
	1/18/02

41. TYPE OR PRINT NAME	42. TITLE	43. PHONE
Gerald J Brown	Mgr Safety & Env.	623 5596

PUGET SOUND CLEAN AIR AGENCY

ENGINEERING DIVISION

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NOTICE of CONSTRUCTION & APPLICATION for APPROVAL

Note: Information required by Section1a must be completed for this form to be accepted for review.

FOR BASIC PROCESS EQUIPMENT

PLEASE CONSULT INSTRUCTION SHEET BEFORE FORWARDING

FORM S

DATE: N/C#

1	a. Complete the Sections Indicated ☐1 ☐2 ☐3 ☐4 ☐5 ☐6 ☐7 ☐8 ☐9 ☐10 ☐11 ☐12		b. Company (or owner) Installation Address: 3801 E Marginal Way So. Seattle	
	c. Company (or owner) Name: Ash Grove Cement		d. Applicant:	
	e. Prepared by (name and title): Gerald J Brown Mgr. S+E		f. Prepared by (signature): Gerald Brown	g. Phone: 206 623-5596
2	a. PROCESS EQUIPMENT DATA	b. Title: Jet Pulse Conversion of Sly Dust Collectors	c. Make and Model	d. Dimensions (LxWxH)
	e. Number of Units; rated capacity	f. CFM	g. Auxiliary Equipment	h. Connected to:
3	a. OTHER	b. Title	c. Make and Model	d.
	e. BUILDING	f. AREA	g. Equipment Column Number	h. Connected to:
4	a. BURNER DATA	b. Type of Burner, Fuel	c. Make and Model	d. Rated Capacity
	e. No. of Units; ignition method	f.	g. CFM Exhausted (Temperature) (°F)	h. Connected to:
5	a. STACKS, VENTS, AND EXHAUST OPENINGS	b. Type of Vent	c. Dimensions	d.
	e. Number of Vents; Material of construction	f.	g. CFM Exhausted (Temperature) (F)	h. Connected to:
6	a. TANKS AND KETTLES	b. Type of Tank, Material	c. Dimensions (LxWxH) in inches	d. Surface Area (Sq Ft.) ☐ Closed ☐ Open
	e. Number of tanks; Material of construction	f.	g. Auxiliary Equipment	h. Connected to:
7	a. FAN DATA	b. Type of Fan (Designate Blade)	c. Make and Model	d. Motor Data RPM HP
	e. Number of fans; Material of construction	f.	g. CFM Exhausted (Temperature) (F)	h. Connected to:
8	a. OVENS AND FURNACES	b. Type of Oven or Furnace	c. Make & Model	d. Rated Capacity
	e. Number of Ovens, Material of construction	f.	g. CFM Exhausted (Temperature) (F)	h. Connected to:
9	a. OPERATIONAL DATA	b. Type of Operation ☐ Batch ☐ Continuous	c. Operating Schedule (Normal) SHIFTS/DAY ☐ 1 ☐ 2 ☐ 3	d. Mode of Operations ☐ Manual ☐ Auto ☐ Semi-Auto
	e. Duration of batch (Hrs/batch)	f.	g Daily Number of Batches 10 (Ave, EST)	h.
10	a. CONVEYOR DATA	b. Type of Conveyor (Pneumatic, Bolt)	c. Make and Model	d. Capacity
	e. Dimensions (LxWxH)	f.	g. No. of Pickups / No. of Discharge Pts	h. Connected to:
11	a. GAS FLOW	b. ACTUAL CFM	c. SCFM (Reg I Standard)	d. TEMPERATURE (F) IN ____ OUT
	e. PRESSURE DROP	f. EFFICIENCY	g. INLET AND OUTLET POLLUTANT CONCENTRATIONS	h.
12	a. ADDITIONAL DATA	b. ☐ ATTACH BROCHURE	c. ☒ **ATTACH PLANS/SPECS**	d. ☒ **ATTACH EMISSION ESTIMATE (show calcs)**
	e. ☒ **SUBMIT NARRATIVE DESCRIPTION OF PROCESS**	f. ☐ SUBMIT SOURCE TEST DATA	g. ☐ SUBMIT MODELING DATA	h. ☐ ATTACH A SCHEDULE OF EQUIPMENT WITH MAKE, MODEL, CAPACITY

AGCS2M002348 SEA0751

PUGET SOUND CLEAN AIR AGENCY

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NOTICE of CONSTRUCTION & APPLICATION for APPROVAL

FOR AIR POLLUTION CONTROL EQUIOPMENT ONLY	**FORM R**	For Agency Use: DATE: N/C#

• **Note: Information required by Section 1 must be completed for this form to be accepted for review.**

1	a. Complete the Sections Indicated ☐1 ☐2 ☐3 ☐4 ☐5 ☐6 ☐7 ☐8 ☐9 ☐10 ☐11 ☐12		b. Company (or owner) Installation Address: Ash Grove Cement Co - Seattle	
	c. Company (or owner) Name: Ash Grove Cement Co		d. Applicant: Gerald J Brown	
	e. Prepared by (name and title): Gerald J Brown		f. Prepared by (signature): Gerald J Brown	g. Phone/Fax: 623-5576
2	a. AIR POLLUTION CONTROL EQUIPMENT	b. Type of Equipment: Filter Collector	c. Make and Model	d. Dimensions (LxWxH)
	e. Number of Units: 2	f. Capacity: 4200	g. Auxiliary Equipment: Conversion To Jet Pulse	h. Connected to:
3	a. BAGHOUSE	b. Number of Bags: 64	c. Shaking Cycle (auto or manual rapping or reverse air)	d. Cloth Area: 1856 Ft²
	e. Material Used: Pleated Spunbond Polyester	f.	g. Air-to-Cloth ratio (ft/minute): 2.26 : 1	h. Connected to: Cent. Fan
4	a. ELECTROSTATIC PRECIP.	b. Electrode Separation (ft)	c. Coll. Electrode Dimensions LxW (ft)	d. Mean Velocity of Gas (ft/sec)
	e. Area (sq ft)	f. Voltage	g. Coll Electrode or Plate Area (sq ft)	h. Connected to:
5	a. BURNERS	b. Type of Burner, Fuel	c. Make & Model	d. Rating
	e. Number of Units; Ignition	f.	g. CFM Exhausted (Temp) (F)	h. Connected to:
6	a. STACKS, VENTS	b. Type of Vent	c. Dimensions (LxWxH)	d. Dampers
	e. Number of Vents, Material Used	f.	g. CFM Exhausted (Temp) (F)	h. Connected to:
7	a. SCRUBBERS	b. Type of Flow (spray, bubbler)	c. Packing Type/Size	d. Pressure Drop (inches of water)
	e. Composition of Solution	f.	g. Flow rate (GPM)	h. Make-Up (GPM)
8	a. FANS	b. Type of fan (designate blade): OH Forward curved	c. Make & Model: New York Blower S20 GT	d. Motor Data RPM 1800 HP 20
	e. Number of Fans, Material Used: 2 Steel	f. Radial	g. CFM Exhausted (Temp@SP) (F)	h. Connected to: Filter
9	a. CYCLONES	b. Type of Cyclone ☐ Common ☐ Split Duct ☐ Multiclone	c. Make & Model	d. Inlet Area (sq ft)
	e. Number of Units, Material Used	f. Body Dia (in.) / Outlet Dia (in.)	g. Body Height (in.) / Efficiency	h. Connected to:
10	a. COLLECTION DATA	b. Description of Collected Matl.: Cement	c. Amount Collected (lbs/day)	d. Particle Size (microns avg.)
	e. Types of Pollutants ☐ Gas ☒ Particulate ☐ Odor	f.	g. Collection Efficiency: 99.99	h. Disposition of Collection Waste: Return To Silo
11	a. GAS FLOW	b. Actual CFM.: 4200	c. SCFM (Reg I Standard): 4032	d. Temperature (F) In 70 Out 70
	e. Pressure Drop	f. Efficiency	g. Inlet and Outlet Pollutant Concentrations: .005gr/cf ✓	h.
12	a. ADDITIONAL DATA	b. ☐ Attach Brochure	c. ☒ Attach Plans/Specs	d. ☒ Attach Emission Estimate (show calculation) ✓
	e. ☒ Submit Narrative Description of Process ✓	f. ☐ Submit Source Test Data	g. ☐ Submit Modeling Data	h. ☐ Attach Schedule of Equipment with Make, Model, Capacity
	i. ☐	j. ☐	k. ☐	l. ☐

ASH GROVE CEMENT COMPANY

"WESTERN REGION"

Group II Cement Silo dust collector conversion schedule.

2 Bag Filter Collectors, PulseJet with fan.

Narrative Description:

The proposed project is to convert the two existing Sly Dust Collectors on top of Group II Silos to PulseJet Dust Collector and replace fans. The existing collector housing will remain. This conversion will provide a more efficient dust collection and control for venting the Group II Silos during transfer of finished cement to the silos. The two present dust collectors are each rated at 3680 cfm. The new fans are rated to provide 4200 ACFM per collector. The systems are designed to return collected dust to the silos.

Emission Estimates

New dust collector:
.005 grains/ dscf / 7000 grains/lb *4200 cfm*60 min/ hr *8760hrs/yr/2000lb/ton * (2 units) = 1.6 tons/yr.

Existing dust collectors:
.005 grains/ dscf / 7000 grains/lb *3680 cfm*60 min/ hr *8760hrs/yr/2000lb/ton * (2 units) = 1.4 tons/yr.

Potential
1.6 tons/yr. - 1.4 tons/yr. = 0.2 tons/yr.

3801 EAST MARGINAL WAY SOUTH • SEATTLE, WA 98134 • PLANT OFFICE: (206) 623-5596 • FAX: (206) 623-5355

CAT 110351 - CONVERSION KIT
BHA VEN # 74730
CAT # 110353 - BLOWER

Ash Grove Cement
Ref: Pulse-Jet Conversion of
Sly Dust Collectors

July 25, 2001
BHA Proposal No. 01-HE-0725-06A

Equipment Specifications

Application	Bin Vent on Top Of Group 2 Silos	
Dust	Cement	
Filter Media	PulsePleat® Spunbond Polyester	
Number of Filters	64	
Number of Rows	8	
Max. Filter Temp.	225 °F	107 °C
Air Volume Rate	4,200 ACFM	7,140 m3/hr
Filter Diameter	6.13 in	156 mm
Filter Length	41.5 in	1,054 mm
Total Filter Area	1,856 ft2	172.4 m2
A/C Ratio	2.26 CFM/ft2	0.69 m3/min/m2
Can Velocity	184 ft/min	0.94 m/s
Tubesheet Length	96 in	2,438 mm
Tubesheet Width	72 in	1,829 mm
Tubesheet Ga.	3/16"	4.7 mm
Approx. Air Consumption	36 SCFM	61 m3/hr

Prices

Proposed Equipment	U.S. Dollars
Conversion Equipment, Including Filter Elements	$15,528.00

Accessory Options	U.S. Dollars
Air Filter/Regulator/Auto Drain Assembly	$ 326.00

The above prices are exclusive of applicable taxes, freight, and crating, and are F.O.B. point of origin. Prices quoted herein shall be firm for 30 days from the date of this proposal, and are subject to BHA's attached Terms and Conditions.

Terms are 20% of the total price due upon receipt of purchase order for engineering and project administration. Balance net 30 days after shipment of equipment.

Fax

To:	Bob Minister	Date:	11-28-2001
Company:	Ash Grove Cement	Total No. of Pages:	1
Fax Number:	(206) 694-6286		
From:	Herb Litke		

I understand from Jeff Canfield that there is a second bin vent that I was not aware of on the Group 2 silos. BHA will convert it to pulse-jet with the same design and equipment as the other bin vent on these silos for a price of $13,000. This is a $1,354 price reduction from the bin vent on this silo that you have on order.

Jeff also said you want to replace the fans for both of these bin vents. BHA will furnish a New York Blower Series 20 Gl Size 224 with an arrangement #9E belt drive 20 hp 1800 rpm motor. It will be sized to provide 4,200 ACFM at 200 °F and 12" static pressure. The DH forward curved radial blade wheel operates at 2485 rpm and the discharge sound level is 94.4 dBA at 5'. The fan includes inlet and outlet flanges, an opposed blade outlet damper, drain, guards and an inspection door. The lumps sum price for these two fans is $7,841.

We are in the process of designing these conversions so we will appreciate it if you can let us know within the next couple of weeks if you want to order the conversion and these two fans.

Best Regards,

Herb Litke, P. E.
Senior Sales Engineer-Engineered Systems

cc: Corinne Prince, Senior Sales Representative
Keith Gooch, Project Manager
Mike Allen, Senior Sales Manager
Larry McConnell, Manager-Engineered Systems

Herb Litke, ext. 524
BHA Group, Inc. • 8800 East 63rd Street • Kansas City, Missouri 64133 • USA
Sales: 800-821-2222 • +1-816-356-8400 • FAX: +1-816-353-1873
e-mail: hlitke@bhagroup.com

Puget Sound Air Pollution Control Agency

110 Union Street, Suite 500
Seattle, Washington 98101
Telephone: (206) 343-8800
1-800-552-3635

Date: 01/18/02

Proponent: Ash Grove Cement

Project, Brief Title: Group II Silos dust collector conversion

ENVIRONMENTAL CHECKLIST

Purpose of Checklist:

The State Environmental Policy Act (SEPA), Chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for Applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply". Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Use of checklist for nonproject proposals:

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic areas," respectively.

TO BE COMPLETED BY THE APPLICANT

A. BACKGROUND

1. Name of proposed project, if applicable:

   Conversio of two Sly Dust Collectors to Pulse-Jet at Group II silos.

2. Name of applicant: Ash Grove Cement Co

3. Address and phone number of applicant and contact person:

   Name: Gerald J. Brown Title: Mgr. Safety & Env.

   Firm: Ash Grove Cement Co. Telephone: (206) 623-5596

   PO Box/Street: 3801 E Marginal Way So.

   City/State/Zip: Seattle WA. 98134

4. Date checklist prepared: 01/18/02

5. Agency requesting checklist: PSCAA

6. Proposed timing or schedule (including phasing, if applicable):

   Conversion to begin 02/15/02
   Project completion 03/15/02

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

   No

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

None

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

No

10. List any government approvals or permits that will be needed for your proposal, if known.

NOC PSCAA

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page.

This Project will convert two existing Sly Dust Collectors located on top of Group II Silos to Pulse-Jet and replace Fan.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

3801 East Marginal Way So. Seattle WA 98134

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountainous, other: _____.

b. What is the steepest slope on the site (approximate percent slope)?
2%

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

Hydraulic dredge fill over sands and silt at considerable depth @200 feet below ground surface.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

No

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

None

f. Could erosion occur as a result of clearing, construction or use? If so, generally describe.

No

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

None

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

Not applicable

2. Air

a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial, wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

Dust emission filter through collector.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

No

c. Proposed measures to reduce or control emissions or other impacts to air, if any:

Jet Pulse fabric filter dust collector.

3. Water

a. Surface:

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

Duwamish River borders the west side of the plant.

2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

No

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

None

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

No.

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

None

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No.

b. Ground:

1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose and approximate quantities if known.

No.

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: domestic sewage; industrial, containing the following chemicals...; agricultural; etc.). Describe the general size of the systems, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

None.

c. Water Runoff (including storm water):

1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

No run off from this project.

2) Could waste material enter ground or surface waters? If so, generally describe.

No.

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

None

4. Plants

a. Check or circle types of vegetation found on the site:

X deciduous tree: alder, maple, aspen, other
X evergreen tree: fir, cedar, pine, other
X shrubs
X grass
___ pasture
___ crop or grain
___ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
___ water plants: water lily, eelgrass, milfoil, other
___ other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

None

c. List threatened or endangered species known to be on or near the site.

None

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

None

5. Animals

a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

None

Birds: hawk, heron, eagle, songbirds, other:

Mammals: deer, bear, elk, beaver, other:

None

Fish: bass, salmon, trout, herring, shellfish, other:

None

b. List any threatened or endangered species known to be on or near the site.

None

c. Is the site part of a migration route? If so, explain.

No

d. Proposed measures to preserve or enhance wildlife, if any:

None

6. Energy and Natural Resources

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

Electric

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

No.

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

None

7. Environmental Health

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

No.

1) Describe special emergency services that might be required.

None

2) Proposed measures to reduce or control environmental health hazards, if any:

None

b. Noise

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

None.

2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

None.

3) Proposed measures to reduce or control noise impacts, if any:

None

8. Land and Shoreline use

a. What is the current use of the site and adjacent properties?

Heavy Manufracturing

b. Has the site been used for agriculture? If so, describe.

No

c. Describe any structures on the site.

14 foot dia cement kiln, 260 foot tall preheatertower, material silos and shed, raw and finish mill buildings, packhouse, motor control centers and plant offices.

d. Will any structures be demolished? If so, what?

No

e. What is the current zoning classification of the site?

General Industrial 1 (IG-1)

f. What is the current comprehensive plan designation of the site?

Industrial

g. If applicable, what is the current shoreline master program designation of the site?

Urban Industrial (UI)

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

No

i. Approximately how many people would reside or work in the completed project?

None

j. Approximately how many people would the completed project displace?

None

k. Proposed measures to avoid or reduce displacement impacts, if any:

N/A

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

N/A

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

N/A

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

N/A

c. Proposed measures to reduce or control housing impacts, if any:

N/A

10. Aesthetics

a. What is the tallest height of any proposed structure(s), not including antennas, what is the principal exterior building material(s) proposed?

All structure existing. No change

b. What views in the immediate vicinity would be altered or obstructed?

None

c. Proposed measures to reduce or control aesthetic impacts, if any:

None

11. Light and Glare

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

None

b. Could light or glare from the finished project be a safety hazard or interfere with views?

No

c. What existing off-site sources of light or glare may affect your proposal?

None

d. Proposed measures to reduce or control light and glare impacts, if any:

None.

12. Recreation

a. What designated and informal recreational opportunities are in the immediate vicinity?

None.

b. Would the proposed project displace any existing recreational uses? If so, describe.

No

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

None

13. Historic and Cultural Preservation

a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

No.

b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

None

c. Proposed measures to reduce or control impacts, if any:

None.

14. Transportation

a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

East Marginbal Way So.serves the site. Access is by way of driveway.

b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

No

c. How many parking spaces would the completed project have? How many would the project eliminate?

None.

d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

No

e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

No

f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

Unknown

g. Proposed measures to reduce or control transportation impacts, if any:

No impact

15. Public Services

a. Would the project result in an increased need for public services (for example, fire protection, police protection, health care, schools, other)? If so, generally describe.

No

b. Proposed measures to reduce or control direct impacts on public services, if any.

None Needed

16. Utilities

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

All apply

b. Describe the utilities that are proposed for the project, the utility providing the service, and service, and the general construction activities on the site or in the immediate vicinity which might be needed.

None

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: _____

Date Submitted: 01/18/02

D. SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS

(Do not use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substance; or production of noise?

   Negligable impact on air emissions. Emission control enhanced by improved dust collection.

   Proposed measures to avoid or reduce such increase are:

   Dust Collection

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

   No effect

   Proposed measures to protect or conserve plants, animals, fish, or marine life are:

   Not applicable

3. How would the proposal be likely to deplete energy or natural resources?

   No effect

   Proposed measures to protect or conserve energy and natural resources are:

   Not applicable

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

No effect

Proposed measures to protect such resources or to avoid or reduce impacts are:

Not applicable

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?

No effect

Proposed measures to avoid or reduce shoreline and land use impacts are:

Not applicable

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

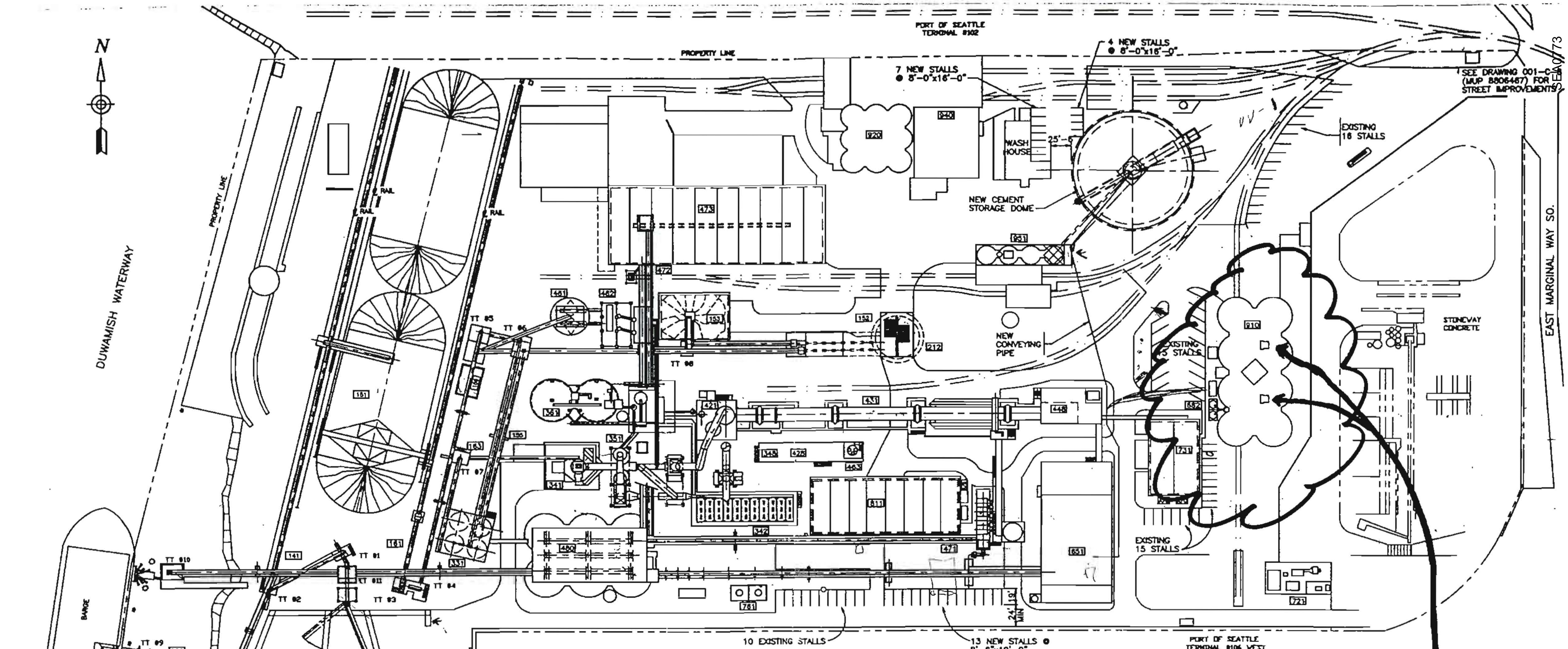
No effect.

Proposed measures to reduce or respond to such demand(s) are:

Not applicable

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.

There are no conflicts.



Sly Dust Collectors To be converted To Pulse-Jet

	EXISTING BUILDINGS	AREAS
141	LIMESTONE RECEIVING	N/A
151	LIMESTONE STORAGE	N/A
152	ADDITIVE RECEIVING	3867
153	CLAY STORAGE	4109
155	IRON ORE/SILICA TRANSPORT	N/A
158	ELECTRIC ROOM	898
161	LIMESTONE TRANSPORT	N/A
163	LIMESTONE/CLAY TRANSPORT	N/A
212	RAW COAL RECEIVING	N/A
331	RAW MATERIAL FEED BINS & RAW MILL FEED	8550
341	RAW MILL DEPARTMENT	N/A
342	RAW MILL, KILN DEDUSTING EQUIPMENT	N/A
348	ELECTRIC ROOM	(w/ 428)
351	RAW MEAL TRANSPORT	N/A
361	RAW MEAL STORAGE & KILN FEED	11085
421	CYCLONE PREHEATER	1681
428	ELECTRIC ROOM (PREHEATER)	3867
431	KILN DEPARTMENT & BURNER PLATFORM	N/A
448	ELECTRIC ROOM (BURNER)	8330
461	RAW COAL STORAGE & FEED	1417
462	COAL MILLS, DEDUSTING, & TRANSPORT	933
463	COAL FIRING EQUIPMENT	(w/ 428)
471	CLINKER TRANSPORT TO SILOS	N/A
472	CLINKER TRANSPORT TO STORAGE SHED	N/A
473	CLINKER STORAGE SHED	17800
480	CLINKER SILOS	N/A
—	WASH HOUSE	4520
651	FINISH MILLS DEPARTMENT	13884
682	CYCLONAIRE TRANSFER SYSTEM	N/A
721	MAIN SUBSTATION	N/A
731	CENTRAL CONTROL ROOM & OFFICE BLDG.	9360
761	WATER HANDLING -- COOLING TOWER	897
781	LOADING HOIST & MOORING EQUIPMENT	N/A
800	BARGE UNLOADING	N/A
811	WAREHOUSE/MAINTENANCE SHOP BLDG.	17803
910	GROUP II SILOS	12000
920	GROUP I SILOS	4900
940	PACKHOUSE	10880
951	STEEL SCALE TANKS	1800
NEW	CONC. SILO DOME	18000
	TOTAL AREA:	154381 SF

REQUIRED PARKING = [154381 – ((21–6) BLDGS x 2500)] / 1500 = 78 STALLS

PARKING SUPPLIED = 80 STALLS

LEGAL DESCRIPTION
PARCEL NO.: 766-670-0350
LOT PORTION BLOCK 378, SEATTLE TIDELANDS
X-CX-01-B-377-401
N 1/4 SECTION 18, TOWNSHIP 24N, RANGE 4 E
WILLAMETTE MERIDIAN

ASH GROVE CEMENT CO.

SEATTLE PLANT
SITE PLAN

REV. 2	MODIFIED BARGE UNLOADING SYSTEM	DR'N. JL	
DATE 9/16/97	REVISED PROPERTY BOUNDARY FOR LEASED PROPERTY	CK'D	
AP'VD BY		DATE 10/07/93	
		SCALE 1" = 50'	DRAWING NUMBER Fs02 — REV. 2 — SHEET No. 02 of 50
		CAD FILE SITEPLAN	

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